

# Decagon Devices, Inc. Product Market Information Sheet

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**Product:** Decagon GS3

**Description:** Soil sensor which continuously measures bulk electrical conductivity, temperature, and soil moisture. Soil moisture is measured using frequency domain technology. Temperature is measured using a thermistor in thermal contact with length of sensor. Electrical conductivity is measured using two stainless steel needles. Sensor requires 3.6-15 VDC and has a digital output. A stereo plug on the sensor allows the sensor to plug into Decagon's Em50 series Data logger.

The GS3 contains patented technology (patented by Decagon Devices, Inc.) for monitoring soil moisture using frequency domain technology. The patent covers the ability of the sensor to accurately monitor soil moisture in a variety of soil types and soil salinities. The sensor is, by design, accurate and rugged at a price that allows researchers to easily characterize spatial variability.

**Distributors of Product:** Decagon is the sole distributor of the GS3 in the USA to universities and other research institutions.

**Competitors with similar products:** Stevens Probe, Delta-T WET sensor